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**BUS INTERFACE SEGMENTS CONNECTED BY A REPEATER HAVING TWO  
OR MORE DEVICES SEPARATED BY A PHYSICAL LINK**

**ABSTRACT OF THE DISCLOSURE**

Bus repeaters offer electrical isolation by separating a single bus interface into one or more segments, and may provide cost advantages over bus bridges. There is a class of electrical equipment that can utilize the advantages offered by bus repeaters, and in addition to these advantages need to separate the bus segments by a distance greater than can be offered by the typical single chip repeater. What is disclosed here is a method for creating bus interface segments by use of a repeater that consists of two or more devices separated by a physical link.